BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Estimate for Emergency Grants in Ward No. 10 Doddabommasandra, Vidyaranyapura Sub Division*

Job Code: 010-20-000089

P-Code: P-1771

Estimated Cost: Rs. 25.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: EMERGENCY GRANTS IN WARD NO.10 DODDABOMMASANDRA VIDYARANYAPURA SUB DIVISION

DEMOLITION

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202.(Pg No 139 ,Item No 18.19)								
	Ground floor								
	Anganavadi School								
	Slab	cum	1	6.10	9.20	0.15	8.42		
		cum	1	3.10	6.50	0.15	3.02		
	Colums	cum	4	0.20	0.45	3.00	1.08		
	Beams Shorter	cum	2	6.10	0.20	0.45	1.10		
	Beams Longer	cum	2	9.20	0.20	0.45	1.66		
	School Old Building								
	Slab	cum	1	12.2	16.8	0.15	30.74		
	Colums	cum	8	0.2	0.45	3	2.16		
	Beams Shorter	cum	4	12.2	0.2	0.45	4.39		
	Beams Longer	cum	2	16.8	0.2	0.45	3.02		
	Toilet								
	Slab	cum	1	3.6	2.5	0.15	1.35		
	Basic rate							1589.00	
	Area weightage 8%							127.12	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**56.94**	**1785.92**	**101698.32**
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
	Ground floor								
	SSM								
	Anganavadi School								
	Longer Wall	Cum	2	9.20	0.45	0.60	4.97		
	Shorter Wall	Cum	2	6.10	0.45	0.60	3.29		
	School Old Building								
	Longer Wall	Cum	2	16.80	0.45	0.60	9.07		
	Shorter Wall	Cum	2	12.20	0.45	0.60	6.59		
	Toilet	Cum	2	3.60	0.45	0.60	1.94		
		Cum	2	2.50	0.45	0.60	1.35		
	At Government School								
	Compound SSM								

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	East Side OF Building	Cum	1	17.60	0.45	0.60	4.75		
	South Side Of Building	Cum	1	22.00	0.45	0.60	5.94		
	Block Work								
	East Side OF Building	Cum	1	17.6	0.30	0.90	4.75		
	South Side Of Building	Cum	1	22	0.30	1.20	7.92		
	At Toilet In School	Cum	2	1.80	0.20	2.40	1.73		
		Cum	1	6.00	0.20	1.80	2.16		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**54.47**	**448.88**	**24449.60**
3	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Ground Floor								
	South Side Of Building	Sqm	1	22	0.9		19.80		
	Next to New Building	Sqm	1	9	1.8		16.20		
	East Side of Building	Sqm	1	44.4	0.9		39.96		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**75.96**	**162.68**	**12357.17**
4	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item								
	DEBRIS	Cum					122.81		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading				Basic rate	2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.3x2.5						5.20	
	Basic rate							62.20	
	Area weightage 8%							4.98	
	Total						**122.81**	**67.18**	**8249.65**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	BUILDING								
5	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	SSM Excavation								
	New Compound								
	South Side	Cum	1	22	0.75	0.9	14.85		
	East Side	Cum	1	17.6	0.75	0.9	11.88		
		Cum	1	4.2	0.75	0.9	2.84		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**29.57**	**484.92**	**14336.66**
6	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	SSM Excavation								
	New Compound								
	South Side	Cum	1	22	0.75	0.3	4.95		
	East Side	Cum	1	17.6	0.75	0.3	3.96		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**8.91**	**2623.32**	**23373.78**
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	SSM Below								
	South Side	Cum	1	22	0.75	0.15	2.48		
	East Side	Cum	1	17.6	0.75	0.15	2.0		
	Around Childrens Play area	Cum	1	6	0.3	0.15	0.3		
		Cum	1	7.2	0.3	0.15	0.3		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**5.05**	**5510.16**	**27820.80**
8	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.5 of PWD SR 2018-19)								
	Above SSM								
	South Side	Cum	1	22	0.75	0.15	2.48		
	East Side	Cum	1	17.6	0.75	0.15	1.98		
	Filling Area In front of Building	Cum	1	21.2	23.3	0.15	74.09		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amo
	Around Building	Cum	1	77	0.9	0.15	10.40		
	Deduct Children Play Area	Cum	-1	6	7.2	0.15	-6.48		
	Basic rate							5328.00	
	Area weightage 8%							426.24	
	Total						**82.46**	**5754.24**	**474517.65**
9	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	South Side	Cum	1	22	0.6	0.6	7.9		
	East Side	Cum	1	17.6	0.6	0.6	6.3		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**14.26**	**4963.68**	**70762.22**
10	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					29.57		
	PCC for Footing	Cum					-5.05		
	Filling in foundation with granite / trap broken metal	Cum					-8.91		
	SSM Footing	Cum					-14.26		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**1.35**	**217.08**	**293.06**
11	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					29.57		
	Filling Available of Excavated Earth						-1.35		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**28.22**	**67.09**	**1892.93**
12	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25								
	SSM Footing								
	South Side	Cum	1	22.00	0.45	0.45	4.5		
	East Side	Cum	1	17.60	0.45	0.45	3.6		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							6005.00	
	Extra For Pillars							489.00	
	Sub Total							6494.00	
	Area weightage 6%							389.64	
	Total						**8.02**	**6883.64**	**55199.91**
13	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per								
	SSM Footing								
	South Side	Sqm	2	22.00		0.45	19.8		
	East Side	Sqm	2	17.60		0.45	15.8		
	Basic rate							142.00	
	Area weightage 6%							8.52	
	Total						**35.64**	**150.52**	**5364.53**
14	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	For Filling								
	In Front Of Building	Cum	1	21.2	23.3	0.3	148.2		
	Around Building	Cum	1	77	0.9	0.3	20.8		
	Basic rate							325.00	
	Area weightage 6%							19.50	
	Total						**168.98**	**344.50**	**58212.92**
15	KSRRB 2.6 Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-2.13 SR 2018-19)								
	Childrens Play Area								
	North Side	Cum	1	6	7.2	0.3	12.96		
	Basic rate							2060.00	
	Area weightage 6%							123.60	
	Total						**12.96**	**2183.60**	**28299.46**
16	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR 2018-19)								
	Deduct Children Play Area	Sqm	-1	6.00	7.20		-43.20		
	In Front of Building Corridor	Sqm	1	18.20	2.80		50.96		
	Basic rate							1232.00	
	Area weightage 8%							98.56	
	Total						**7.76**	**1330.56**	**10325.15**
17	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amo
	Ground Floor								
	Around Childrens Play area	Sqm	1	6		0.6	3.6		
		Sqm	1	7.2		0.6	4.32		
	Compound Wall								
	South Side	Sqm	1	22.0		1.8	39.6		
	East Side	Sqm	1	17.6		1.8	31.68		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						**79.20**	**984.96**	**78008.83**
18	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
	Ground Floor								
	Around Childrens Play area	Sqm	2	6		0.6	7.2		
		Sqm	2	7.2		0.6	8.64		
	Compound Wall								
	South Side	Sqm	2	22		1.8	79.2		
	East Side	Sqm	2	17.6		1.8	63.36		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						**158.40**	**281.88**	**44649.79**
19	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	Ground Floor								
	Old Building								
	Walls								
	Class Rooms	Sqm	8	6.8		3.3	179.52		
		Sqm	8	5.6		3.3	147.84		
	Toilet Room	Sqm	1	6.8		3.3	22.44		
		Sqm	1	5.6		3.3	18.48		
	Stairs Room	Sqm	1	2.5		3.3	8.25		
		Sqm	2	3.2		3.3	21.12		
	For Waist Slab	Sqm	2	1.2	3.4		8.16		
	Ceiling								
	Class Rooms	Sqm	4	6.8	5.6		152.32		
	Toilet Room	Sqm	1	6.8	5.6		38.08		
	Stairs Room	Sqm	1	2.5	3		7.5		
	Corridor Ceiling	Sqm	1	14.4	1.5		21.6		
		Sqm	1	18.2	1.5		27.3		
	New WC	Sqm	3	1.5	1.5		6.75		
	Deduction								
	D	Sqm	-6	0.9		2.1	-11.34		
	W	Sqm	-12	1.8		1.2	-25.92		
	V	Sqm	-2	1.8		0.6	-2.16		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	First Floor								
	Walls								
	Class Rooms	Sqm	10	6.8		3.3	224.4		
		Sqm	10	5.6		3.3	184.8		
	Stairs Room	Sqm	1	2.5		3.3	8.25		
		Sqm	2	3.2		3.3	21.12		
	For Waist Slab	Sqm	2	1.2	3.4		8.16		
	Ceiling								
	Class Rooms	Sqm	5	6.8	5.6		190.4		
	Toilet Room	Sqm	1	6.8	5.6		38.08		
	Stairs Room	Sqm	1	2.5	3		7.5		
	Corridor Ceiling	Sqm	1	14.4	1.5		21.6		
		Sqm	1	18.2	1.5		27.3		
	Deduction								
	D	Sqm	-6	0.9		2.1	-11.34		
	W	Sqm	-13	1.8		1.2	-28.08		
	Head Room								
	Wall	Sqm	2	3.4		3.3	22.44		
		Sqm	2	3.3		3.3	21.78		
	Ceiling	Sqm	1	3.3	3.4		11.22		
	Deduction								
	D	Sqm	-1	0.9		2.1	-1.89		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**1365.68**	**84.24**	**115044.88**
20	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				896.76		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						**896.76**	**97.20**	**87165.07**
21	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam				549.65		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						**549.65**	**127.44**	**70047.40**
22	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amo
	External painting								
	Ground Floor								
	Old Building								
	South Side	Sqm	2	14.2		3.45	97.98		
		Sqm	1	6.7		3.45	23.115		
	East Side	Sqm	2	18.2		3.45	125.58		
		Sqm	1	6.7		3.45	23.115		
	Chajja	Sqm	16	1.8	0.6		17.28		
		Sqm	8	3		0.15	3.6		
	Colums	Sqm	5	0.8		3.45	13.8		
	New Compound Wall								
	South Side	Sqm	2	22.0		1.80	79.2		
	East Side	Sqm	2	17.6		1.80	63.36		
	Around Childrens Play area	Sqm	1	6.0		0.60	3.6		
		Sqm	1	7.2		0.60	4.32		
	Basic rate							340.00	
	Area weightage 8%							27.2	
	Total						**454.95**	**367.20**	**167057.64**
	First Floor								
	Old Building								
	South Side	Sqm	2	14.2		3.45	98.0		
		Sqm	1	6.7		3.45	23.1		
	East Side	Sqm	2	18.2		3.45	125.6		
		Sqm	1	6.7		3.45	23.1		
	Chajja	Sqm	9	1.8	0.6		9.7		
		Sqm	9	3		0.15	4.1		
	Colums	Sqm	11	0.8		3.45	30.4		
	Corridor Wall	Sqm	2	35.3		1	70.6		
	Basic Rate							340.00	
2/A	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							8.00	
	sub total							348.00	
	Area weightage 8%							27.84	
	Total						**384.52**	**375.84**	**144518.00**
	Second Floor								
	Head Room	Sqm	2	4		3.45	27.6		
		Sqm	2	4		3.45	27.6		
	Parapit Wall	Sqm	2	35.3		0.9	63.5		
		Sqm	2	42		0.9	75.6		
	Basic Rate							340.00	
2/B	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							16.00	
	sub total							356.00	
	Area weightage 8%							28.48	
	Total						**194.34**	**384.48**	**74719.84**

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
23	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 68, I.No. 10.2 of PWD SR 2018-19)								
	Old Building Terrace	Sqm	1	22	7		154		
		Sqm	1	17.6	7		123.2		
	New Building Terrace	Sqm	1	14	7		98		
	Basic Rate							994.00	
	Area weightage 8%							79.52	
	Total						**375.20**	**1073.52**	**402784.70**
24	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	Ground Floor								
	D	Sqm	5	6	0.125		3.75		
		Sqm	10	6	0.1		6.00		
	Second floor								
	D	Sqm	6	6	0.125		4.50		
		Sqm	12	6	0.1		7.20		
	Third Floor								
	D	Sqm	1	6	0.125		0.75		
		Sqm	2	6	0.1		1.20		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						**23.40**	**104.76**	**2451.38**
25	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	sqm	25	window qty+ventilator qty			54.00		
	Entrance Gate	Sqm	1	3.6		2	7.20		
	Colapsable Gate	Sqm	2	2.4		2	9.60		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						**70.80**	**102.60**	**7264.08**

Sump									
Sl No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**QTY**	**Rate**	**Amount**
26	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	For sump	cum	1	2.7	2.7	1.90	13.85		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**13.85**	**484.92**	**6716.63**
27	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	For sump	Cum	1	2.70	2.70	0.10	0.73		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**0.73**	**5510.16**	**4016.91**
28	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Bottom slab	Sqm	1	10.8		0.15	1.62		
	Sump walls	Sqm	4	2.7		1.8	19.44		
		Sqm	4	2.4		1.8	17.28		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**38.34**	**278.64**	**10683.06**
29	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Cover slab	Sqm	1	2.7	2.7		7.29		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**7.29**	**432.00**	**3149.28**

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
30	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	For sump								
	Bottom slab	Cum	1	2.70	2.70	0.15	1.09		
	Sump walls	Cum	2	2.70	0.15	1.80	1.46		
		Cum	2	2.40	0.15	1.80	1.30		
	Cover slab	Cum	1	2.70	2.70	0.15	1.09		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						**4.94**	**6276.96**	**31014.46**
31	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Sump	Cum					4.94		
		kg	Steel assumed 125 Kg/Cum of Concrete				617.63		
	Basic rate	Tonne					**0.62**	64410.00	
	Area weightage 8%							5152.80	
	Total	**tonne**					**0.62**	**69562.80**	**42963.72**
32	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 75 item no. 11.44								
	For sump	No.s	4				4.00		
	Basic rate							276.00	
	Area weightage 8%							22.08	
	Total						**4.00**	**298.08**	**1192.32**
33	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	EARTH	Cum	From Item No.1				13.85		
	unloading item	Cum						57	

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Basic rate for haulage of materials as per item No. 17.4	t.km	For surface roads exluding Basic rate loading & unloading					2	
	Average Weight of earth (1.28 Tonne/cum.)	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**13.85**	**67.09**	**929.26**
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	For sump								
	Bottom slab	Sqm	1	2.7	2.7		7.29		
	Sump walls	Sqm	2	2.7		1.8	9.72		
		Sqm	2	2.4		1.8	8.64		
	Cover slab	Sqm	1	2.7	2.7		7.29		
	Basic rate							526.00	
	Area weightage 8%							42.08	
	Total						**32.94**	**568.08**	**18712.56**
								TOTAL AMOUNT	**2230243.6**
								GST Charges (12% of estimated cost)	**267629.2**
								Miscellaneous	**2127.2**
								GRAND TOTAL	**2500000.0**
	RUPEES TWENTY FIVE LAKHS ONLY								

Technical Sanction
Head of A/C P1771
CER NO: 135 Dt 09.11.2020
CE (TPRL)
Administrative Approval for Rs 25 lakhs only
Head of A/C P1771
CER NO: 25 Dt 09.11.2020
CE (KNK)

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Executive Engineer
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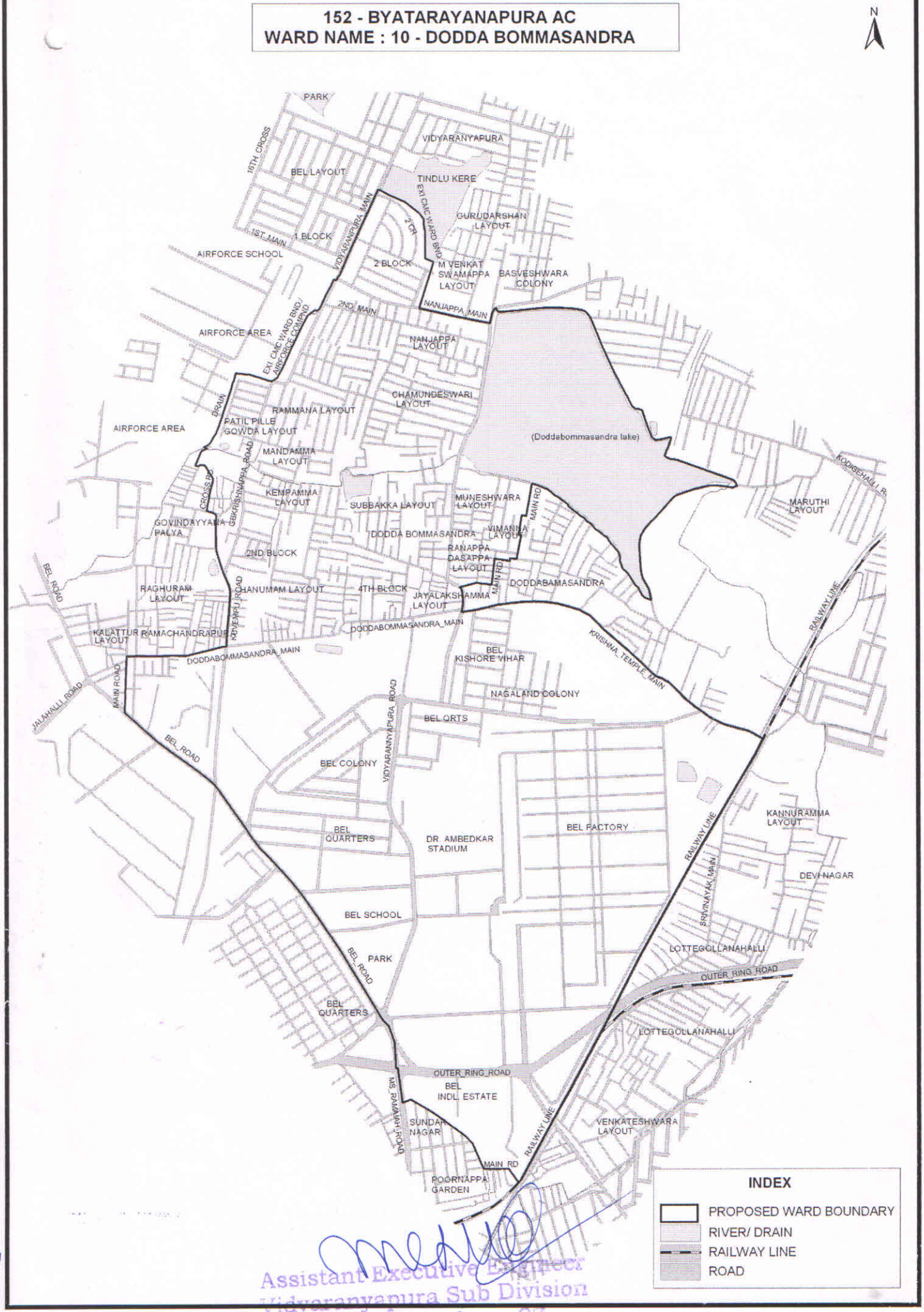
Executive Engineer
Byatarayanapura Divisio
Yelahanka Zone BBMP

152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97